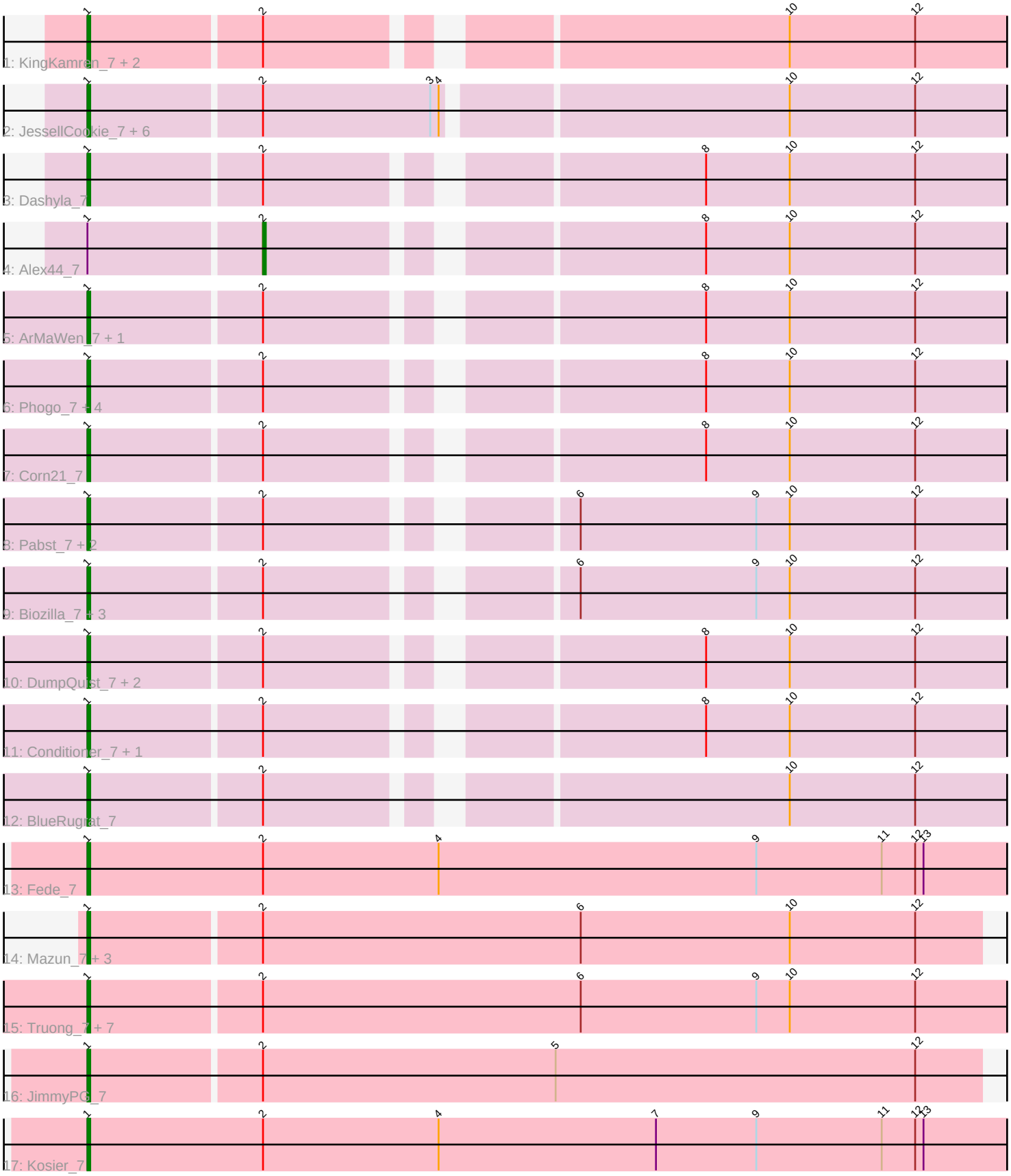
# Pham 347739


1: KingKamren_7 + 2
2: JessellCookie_7 + 6
3: Dashyla_7
4: Alex44_7
5: ArMaWen_7 + 1
6: Phogo_7 + 4
7: Corn21_7
8: Pabst_7 + 2
9: Biozilla_7 + 3
10: DumpQuist_7 + 2
11: Conditioner_7 + 1
12: BlueRugrat_7
13: Fede_7
14: Mazun_7 + 3
15: Truong_7 + 7
16: JimmyPG_7
17: Kosier_7

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 347739 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347739 has 48 members, 4 are drafts.

Phages represented in each track:
• Track 1 : KingKamren_7, EugeneKrabs_7, Zhengyi_7
• Track 2 : JessellCookie_7, Sorvannah_7, TinyTimothy_7, MiamiPanther_7, YellowPanda_7, Wesak_7, Salvatore2000_7
• Track 3 : Dashyla_7
• Track 4 : Alex44_7
• Track 5 : ArMaWen_7, Stormbreaker_7
• Track 6 : Phogo_7, Unphazed_7, TownLake_7, Xitlalli_7, SwissCheezer_7
• Track 7 : Corn21_7
• Track 8 : Pabst_7, PineapplePluto_8, CrunchyBoi_8
• Track 9 : Biozilla_7, TicTac_7, Oatly_7, HitchHiker_8
• Track 10 : DumpQuist_7, LilyLou_7, LesNorah_7
• Track 11 : Conditioner_7, Birdfeeder_7
• Track 12 : BlueRugrat_7
• Track 13 : Fede_7
• Track 14 : Mazun_7, Phractured_7, Pharky_7, Phedro_7
• Track 15 : Truong_7, JordanFarm_7, Barroma_7, AloeVera_7, Akoni_7, ShyRosie_7, Ashton_7, SoilSleuth_7
• Track 16 : JimmyPG_7
• Track 17 : Kosier_7

***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 43 of the 44 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Akoni_7, AloeVera_7, ArMaWen_7, Ashton_7, Barroma_7, Biozilla_7, Birdfeeder_7, BlueRugrat_7, Conditioner_7, Corn21_7, CrunchyBoi_8, Dashyla_7, DumpQuist_7, EugeneKrabs_7, Fede_7, HitchHiker_8, JessellCookie_7, JimmyPG_7, JordanFarm_7, KingKamren_7, Kosier_7, LesNorah_7, LilyLou_7, Mazun_7, MiamiPanther_7, Oatly_7, Pabst_7, Pharky_7, Phedro_7, Phogo_7, Phractured_7, PineapplePluto_8, Salvatore2000_7, ShyRosie_7, SoilSleuth_7, Sorvannah_7, Stormbreaker_7, SwissCheezer_7, TicTac_7, TinyTimothy_7, TownLake_7, Truong_7, Unphazed_7, Wesak_7, Xitlalli_7, YellowPanda_7, Zhengyi_7,

Genes that have the "Most Annotated" start but do not call it:
• Alex44_7,

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

**Summary by start number:**

Start 1:
• Found in 48 of 48 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 43 of 44
• Called 97.9% of time when present
• Phage (with cluster) where this start called: Akoni_7 (EK2), AloeVera_7 (EK2), ArMaWen_7 (EK1), Ashton_7 (EK2), Barroma_7 (EK2), Biozilla_7 (EK1), Birdfeeder_7 (EK1), BlueRugrat_7 (EK1), Conditioner_7 (EK1), Corn21_7 (EK1), CrunchyBoi_8 (EK1), Dashyla_7 (EK1), DumpQuist_7 (EK1), EugeneKrabs_7 (EK), Fede_7 (EK2), HitchHiker_8 (EK1), JessellCookie_7 (EK1), JimmyPG_7 (EK2), JordanFarm_7 (EK2), KingKamren_7 (EK), Kosier_7 (EK2), LesNorah_7 (EK1), LilyLou_7 (EK1), Mazun_7 (EK2), MiamiPanther_7 (EK1), Oatly_7 (EK1), Pabst_7 (EK1), Pharky_7 (EK2), Phedro_7 (EK2), Phogo_7 (EK1), Phractured_7 (EK2), PineapplePluto_8 (EK1), Salvatore2000_7 (EK1), ShyRosie_7 (EK2), SoilSleuth_7 (EK2), Sorvannah_7 (EK1), Stormbreaker_7 (EK1), SwissCheezer_7 (EK1), TicTac_7 (EK1), TinyTimothy_7 (EK1), TownLake_7 (EK1), Truong_7 (EK2), Unphazed_7 (EK1), Wesak_7 (EK1), Xitlalli_7 (EK1), YellowPanda_7 (EK1), Zhengyi_7 (EK),

Start 2:
• Found in 48 of 48 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 1 of 44
• Called 2.1% of time when present
• Phage (with cluster) where this start called: Alex44_7 (EK1),

**Summary by clusters:**

There are 3 clusters represented in this pham: EK1, EK, EK2,

Info for manual annotations of cluster EK:
•Start number 1 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK1:
•Start number 1 was manually annotated 26 times for cluster EK1.
•Start number 2 was manually annotated 1 time for cluster EK1.

Info for manual annotations of cluster EK2:
•Start number 1 was manually annotated 14 times for cluster EK2.

***Gene Information:***

Gene: Akoni_7 Start: 5255, Stop: 4923, Start Num: 1
Candidate Starts for Akoni_7:

(Start: 1 @5255 has 43 MA's), (Start: 2 @5195 has 1 MA's), (6, 5081), (9, 5018), (10, 5006), (12, 4961),

Gene: Alex44_7 Start: 5465, Stop: 5193, Start Num: 2
Candidate Starts for Alex44_7:
(Start: 1 @5525 has 43 MA's), (Start: 2 @5465 has 1 MA's), (8, 5327), (10, 5297), (12, 5252),

Gene: AloeVera_7 Start: 5255, Stop: 4923, Start Num: 1
Candidate Starts for AloeVera_7:
(Start: 1 @5255 has 43 MA's), (Start: 2 @5195 has 1 MA's), (6, 5081), (9, 5018), (10, 5006), (12, 4961),

Gene: ArMaWen_7 Start: 5522, Stop: 5190, Start Num: 1
Candidate Starts for ArMaWen_7:
(Start: 1 @5522 has 43 MA's), (Start: 2 @5462 has 1 MA's), (8, 5324), (10, 5294), (12, 5249),

Gene: Ashton_7 Start: 5259, Stop: 4927, Start Num: 1
Candidate Starts for Ashton_7:
(Start: 1 @5259 has 43 MA's), (Start: 2 @5199 has 1 MA's), (6, 5085), (9, 5022), (10, 5010), (12, 4965),

Gene: Barroma_7 Start: 5255, Stop: 4923, Start Num: 1
Candidate Starts for Barroma_7:
(Start: 1 @5255 has 43 MA's), (Start: 2 @5195 has 1 MA's), (6, 5081), (9, 5018), (10, 5006), (12, 4961),

Gene: Biozilla_7 Start: 5476, Stop: 5144, Start Num: 1
Candidate Starts for Biozilla_7:
(Start: 1 @5476 has 43 MA's), (Start: 2 @5416 has 1 MA's), (6, 5323), (9, 5260), (10, 5248), (12, 5203),

Gene: Birdfeeder_7 Start: 5534, Stop: 5205, Start Num: 1
Candidate Starts for Birdfeeder_7:
(Start: 1 @5534 has 43 MA's), (Start: 2 @5474 has 1 MA's), (8, 5336), (10, 5306), (12, 5261),

Gene: BlueRugrat_7 Start: 5531, Stop: 5202, Start Num: 1
Candidate Starts for BlueRugrat_7:
(Start: 1 @5531 has 43 MA's), (Start: 2 @5471 has 1 MA's), (10, 5303), (12, 5258),

Gene: Conditioner_7 Start: 5522, Stop: 5193, Start Num: 1
Candidate Starts for Conditioner_7:
(Start: 1 @5522 has 43 MA's), (Start: 2 @5462 has 1 MA's), (8, 5324), (10, 5294), (12, 5249),

Gene: Corn21_7 Start: 5550, Stop: 5221, Start Num: 1
Candidate Starts for Corn21_7:
(Start: 1 @5550 has 43 MA's), (Start: 2 @5490 has 1 MA's), (8, 5352), (10, 5322), (12, 5277),

Gene: CrunchyBoi_8 Start: 5611, Stop: 5279, Start Num: 1
Candidate Starts for CrunchyBoi_8:
(Start: 1 @5611 has 43 MA's), (Start: 2 @5551 has 1 MA's), (6, 5458), (9, 5395), (10, 5383), (12, 5338),

Gene: Dashyla_7 Start: 5531, Stop: 5202, Start Num: 1

Candidate Starts for Dashyla_7:
(Start: 1 @5531 has 43 MA's), (Start: 2 @5471 has 1 MA's), (8, 5333), (10, 5303), (12, 5258),

Gene: DumpQuist_7 Start: 5525, Stop: 5193, Start Num: 1
Candidate Starts for DumpQuist_7:
(Start: 1 @5525 has 43 MA's), (Start: 2 @5465 has 1 MA's), (8, 5327), (10, 5297), (12, 5252),

Gene: EugeneKrabs_7 Start: 5287, Stop: 4955, Start Num: 1
Candidate Starts for EugeneKrabs_7:
(Start: 1 @5287 has 43 MA's), (Start: 2 @5227 has 1 MA's), (10, 5059), (12, 5014),

Gene: Fede_7 Start: 5514, Stop: 5119, Start Num: 1
Candidate Starts for Fede_7:
(Start: 1 @5514 has 43 MA's), (Start: 2 @5451 has 1 MA's), (4, 5388), (9, 5274), (11, 5229), (12, 5217), (13, 5214),

Gene: HitchHiker_8 Start: 5476, Stop: 5144, Start Num: 1
Candidate Starts for HitchHiker_8:
(Start: 1 @5476 has 43 MA's), (Start: 2 @5416 has 1 MA's), (6, 5323), (9, 5260), (10, 5248), (12, 5203),

Gene: JessellCookie_7 Start: 5385, Stop: 5035, Start Num: 1
Candidate Starts for JessellCookie_7:
(Start: 1 @5385 has 43 MA's), (Start: 2 @5325 has 1 MA's), (3, 5265), (4, 5262), (10, 5145), (12, 5100),

Gene: JimmyPG_7 Start: 5256, Stop: 4939, Start Num: 1
Candidate Starts for JimmyPG_7:
(Start: 1 @5256 has 43 MA's), (Start: 2 @5196 has 1 MA's), (5, 5091), (12, 4962),

Gene: JordanFarm_7 Start: 5255, Stop: 4923, Start Num: 1
Candidate Starts for JordanFarm_7:
(Start: 1 @5255 has 43 MA's), (Start: 2 @5195 has 1 MA's), (6, 5081), (9, 5018), (10, 5006), (12, 4961),

Gene: KingKamren_7 Start: 5287, Stop: 4955, Start Num: 1
Candidate Starts for KingKamren_7:
(Start: 1 @5287 has 43 MA's), (Start: 2 @5227 has 1 MA's), (10, 5059), (12, 5014),

Gene: Kosier_7 Start: 5514, Stop: 5119, Start Num: 1
Candidate Starts for Kosier_7:
(Start: 1 @5514 has 43 MA's), (Start: 2 @5451 has 1 MA's), (4, 5388), (7, 5310), (9, 5274), (11, 5229), (12, 5217), (13, 5214),

Gene: LesNorah_7 Start: 5606, Stop: 5277, Start Num: 1
Candidate Starts for LesNorah_7:
(Start: 1 @5606 has 43 MA's), (Start: 2 @5546 has 1 MA's), (8, 5408), (10, 5378), (12, 5333),

Gene: LilyLou_7 Start: 5534, Stop: 5205, Start Num: 1
Candidate Starts for LilyLou_7:
(Start: 1 @5534 has 43 MA's), (Start: 2 @5474 has 1 MA's), (8, 5336), (10, 5306), (12, 5261),

Gene: Mazun_7 Start: 5279, Stop: 4962, Start Num: 1

Candidate Starts for Mazun_7:
(Start: 1 @5279 has 43 MA's), (Start: 2 @5219 has 1 MA's), (6, 5105), (10, 5030), (12, 4985),

Gene: MiamiPanther_7 Start: 5385, Stop: 5035, Start Num: 1
Candidate Starts for MiamiPanther_7:
(Start: 1 @5385 has 43 MA's), (Start: 2 @5325 has 1 MA's), (3, 5265), (4, 5262), (10, 5145), (12, 5100),

Gene: Oatly_7 Start: 5476, Stop: 5144, Start Num: 1
Candidate Starts for Oatly_7:
(Start: 1 @5476 has 43 MA's), (Start: 2 @5416 has 1 MA's), (6, 5323), (9, 5260), (10, 5248), (12, 5203),

Gene: Pabst_7 Start: 5337, Stop: 5005, Start Num: 1
Candidate Starts for Pabst_7:
(Start: 1 @5337 has 43 MA's), (Start: 2 @5277 has 1 MA's), (6, 5184), (9, 5121), (10, 5109), (12, 5064),

Gene: Pharky_7 Start: 5240, Stop: 4923, Start Num: 1
Candidate Starts for Pharky_7:
(Start: 1 @5240 has 43 MA's), (Start: 2 @5180 has 1 MA's), (6, 5066), (10, 4991), (12, 4946),

Gene: Phedro_7 Start: 5240, Stop: 4923, Start Num: 1
Candidate Starts for Phedro_7:
(Start: 1 @5240 has 43 MA's), (Start: 2 @5180 has 1 MA's), (6, 5066), (10, 4991), (12, 4946),

Gene: Phogo_7 Start: 5534, Stop: 5205, Start Num: 1
Candidate Starts for Phogo_7:
(Start: 1 @5534 has 43 MA's), (Start: 2 @5474 has 1 MA's), (8, 5336), (10, 5306), (12, 5261),

Gene: Phractured_7 Start: 5240, Stop: 4923, Start Num: 1
Candidate Starts for Phractured_7:
(Start: 1 @5240 has 43 MA's), (Start: 2 @5180 has 1 MA's), (6, 5066), (10, 4991), (12, 4946),

Gene: PineapplePluto_8 Start: 5620, Stop: 5288, Start Num: 1
Candidate Starts for PineapplePluto_8:
(Start: 1 @5620 has 43 MA's), (Start: 2 @5560 has 1 MA's), (6, 5467), (9, 5404), (10, 5392), (12, 5347),

Gene: Salvatore2000_7 Start: 5385, Stop: 5035, Start Num: 1
Candidate Starts for Salvatore2000_7:
(Start: 1 @5385 has 43 MA's), (Start: 2 @5325 has 1 MA's), (3, 5265), (4, 5262), (10, 5145), (12, 5100),

Gene: ShyRosie_7 Start: 5255, Stop: 4923, Start Num: 1
Candidate Starts for ShyRosie_7:
(Start: 1 @5255 has 43 MA's), (Start: 2 @5195 has 1 MA's), (6, 5081), (9, 5018), (10, 5006), (12, 4961),

Gene: SoilSleuth_7 Start: 5255, Stop: 4923, Start Num: 1
Candidate Starts for SoilSleuth_7:
(Start: 1 @5255 has 43 MA's), (Start: 2 @5195 has 1 MA's), (6, 5081), (9, 5018), (10, 5006), (12, 4961),

Gene: Sorvannah_7 Start: 5385, Stop: 5035, Start Num: 1
Candidate Starts for Sorvannah_7:
(Start: 1 @5385 has 43 MA's), (Start: 2 @5325 has 1 MA's), (3, 5265), (4, 5262), (10, 5145), (12, 5100),

Gene: Stormbreaker_7 Start: 5516, Stop: 5187, Start Num: 1
Candidate Starts for Stormbreaker_7:
(Start: 1 @5516 has 43 MA's), (Start: 2 @5456 has 1 MA's), (8, 5318), (10, 5288), (12, 5243),

Gene: SwissCheezer_7 Start: 5525, Stop: 5193, Start Num: 1
Candidate Starts for SwissCheezer_7:
(Start: 1 @5525 has 43 MA's), (Start: 2 @5465 has 1 MA's), (8, 5327), (10, 5297), (12, 5252),

Gene: TicTac_7 Start: 5485, Stop: 5156, Start Num: 1
Candidate Starts for TicTac_7:
(Start: 1 @5485 has 43 MA's), (Start: 2 @5425 has 1 MA's), (6, 5332), (9, 5269), (10, 5257), (12, 5212),

Gene: TinyTimothy_7 Start: 5385, Stop: 5035, Start Num: 1
Candidate Starts for TinyTimothy_7:
(Start: 1 @5385 has 43 MA's), (Start: 2 @5325 has 1 MA's), (3, 5265), (4, 5262), (10, 5145), (12, 5100),

Gene: TownLake_7 Start: 5609, Stop: 5280, Start Num: 1
Candidate Starts for TownLake_7:
(Start: 1 @5609 has 43 MA's), (Start: 2 @5549 has 1 MA's), (8, 5411), (10, 5381), (12, 5336),

Gene: Truong_7 Start: 5255, Stop: 4923, Start Num: 1
Candidate Starts for Truong_7:
(Start: 1 @5255 has 43 MA's), (Start: 2 @5195 has 1 MA's), (6, 5081), (9, 5018), (10, 5006), (12, 4961),

Gene: Unphazed_7 Start: 5534, Stop: 5205, Start Num: 1
Candidate Starts for Unphazed_7:
(Start: 1 @5534 has 43 MA's), (Start: 2 @5474 has 1 MA's), (8, 5336), (10, 5306), (12, 5261),

Gene: Wesak_7 Start: 5385, Stop: 5035, Start Num: 1
Candidate Starts for Wesak_7:
(Start: 1 @5385 has 43 MA's), (Start: 2 @5325 has 1 MA's), (3, 5265), (4, 5262), (10, 5145), (12, 5100),

Gene: Xitlalli_7 Start: 5522, Stop: 5193, Start Num: 1
Candidate Starts for Xitlalli_7:
(Start: 1 @5522 has 43 MA's), (Start: 2 @5462 has 1 MA's), (8, 5324), (10, 5294), (12, 5249),

Gene: YellowPanda_7 Start: 5385, Stop: 5035, Start Num: 1
Candidate Starts for YellowPanda_7:
(Start: 1 @5385 has 43 MA's), (Start: 2 @5325 has 1 MA's), (3, 5265), (4, 5262), (10, 5145), (12, 5100),

Gene: Zhengyi_7 Start: 5287, Stop: 4955, Start Num: 1
Candidate Starts for Zhengyi_7:

(Start: 1 @5287 has 43 MA's), (Start: 2 @5227 has 1 MA's), (10, 5059), (12, 5014),