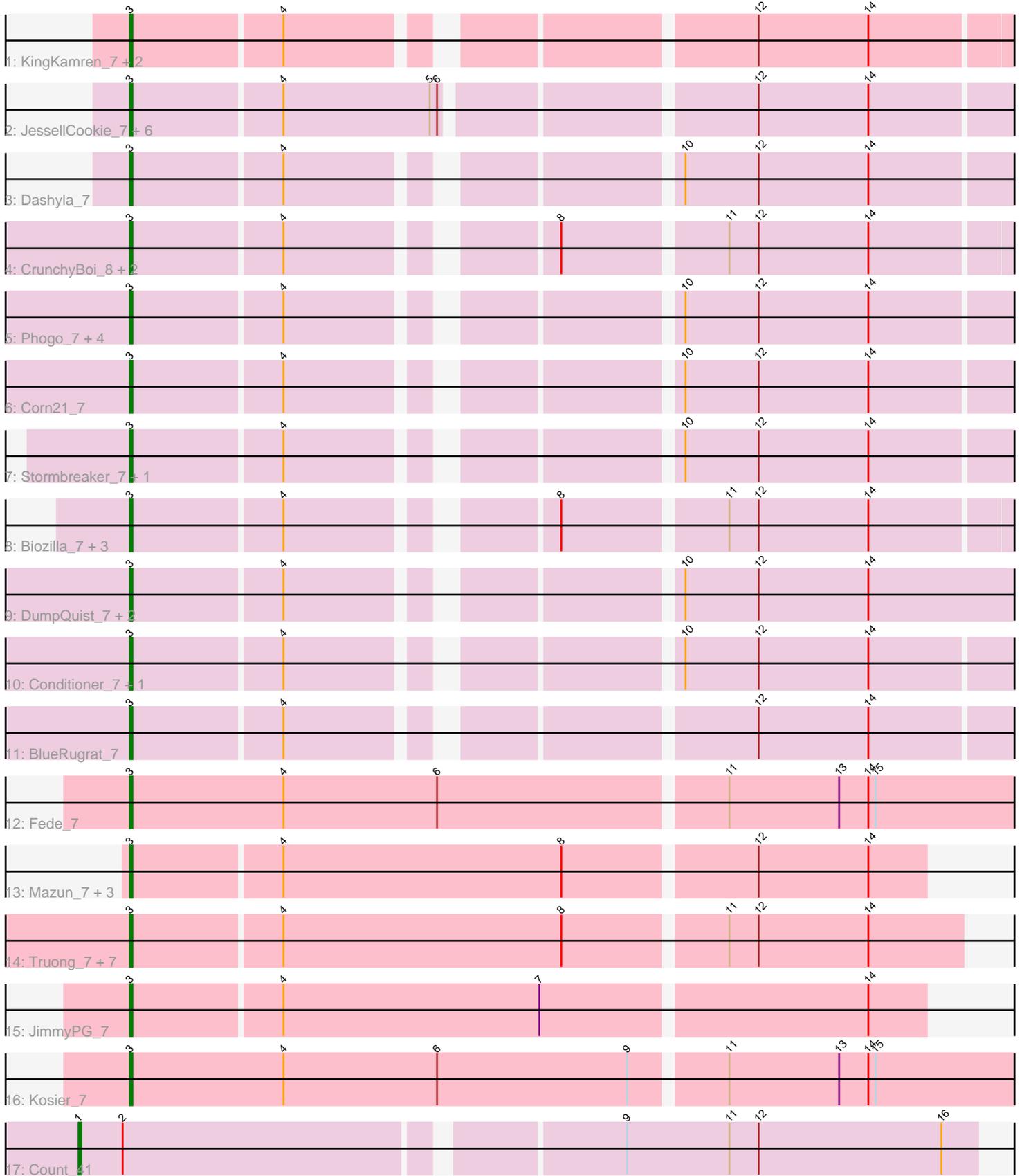


Pham 289504



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 289504 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289504 has 48 members, 6 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 : CrunchyBoi_8, Pabst_7, PineapplePluto_8
- Track 5 : Phogo_7, Unphazed_7, TownLake_7, Xitlalli_7, SwissCheezer_7
- Track 6 : Corn21_7
- Track 7 : Stormbreaker_7, ArMaWen_7
- Track 8 : Biozilla_7, TicTac_7, Oatly_7, HitchHiker_8
- Track 9 : DumpQuist_7, LilyLou_7, LesNorah_7
- Track 10 : Conditioner_7, Birdfeeder_7
- Track 11 : BlueRugrat_7
- Track 12 : Fede_7
- Track 13 : Mazun_7, Phracted_7, Pharky_7, Phedro_7
- Track 14 : Truong_7, JordanFarm_7, Barroma_7, AloeVera_7, Akoni_7, ShyRosie_7, Ashton_7, SoilSleuth_7
- Track 15 : JimmyPG_7
- Track 16 : Kosier_7
- Track 17 : Count_41

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

The start number called the most often in the published annotations is 3, it was called in 41 of the 42 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, Phracted_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:

-

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

- Count_41,

Summary by start number:

Start 1:

- Found in 1 of 48 (2.1%) of genes in pham
- Manual Annotations of this start: 1 of 42
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Count_41 (EL),

Start 3:

- Found in 47 of 48 (97.9%) of genes in pham
- Manual Annotations of this start: 41 of 42
- Called 100.0% 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), Phracted_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),

Summary by clusters:

There are 4 clusters represented in this pham: EL, EK1, EK, EK2,

Info for manual annotations of cluster EK:

- Start number 3 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK1:

- Start number 3 was manually annotated 24 times for cluster EK1.

Info for manual annotations of cluster EK2:

- Start number 3 was manually annotated 14 times for cluster EK2.

Info for manual annotations of cluster EL:

- Start number 1 was manually annotated 1 time for cluster EL.

Gene Information:

Gene: Akoni_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for Akoni_7:

(Start: 3 @5255 has 41 MA's), (4, 5195), (8, 5081), (11, 5018), (12, 5006), (14, 4961),

Gene: AloeVera_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for AloeVera_7:

(Start: 3 @5255 has 41 MA's), (4, 5195), (8, 5081), (11, 5018), (12, 5006), (14, 4961),

Gene: ArMaWen_7 Start: 5522, Stop: 5190, Start Num: 3

Candidate Starts for ArMaWen_7:

(Start: 3 @5522 has 41 MA's), (4, 5462), (10, 5324), (12, 5294), (14, 5249),

Gene: Ashton_7 Start: 5259, Stop: 4927, Start Num: 3

Candidate Starts for Ashton_7:

(Start: 3 @5259 has 41 MA's), (4, 5199), (8, 5085), (11, 5022), (12, 5010), (14, 4965),

Gene: Barroma_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for Barroma_7:

(Start: 3 @5255 has 41 MA's), (4, 5195), (8, 5081), (11, 5018), (12, 5006), (14, 4961),

Gene: Biozilla_7 Start: 5476, Stop: 5144, Start Num: 3

Candidate Starts for Biozilla_7:

(Start: 3 @5476 has 41 MA's), (4, 5416), (8, 5323), (11, 5260), (12, 5248), (14, 5203),

Gene: Birdfeeder_7 Start: 5534, Stop: 5205, Start Num: 3

Candidate Starts for Birdfeeder_7:

(Start: 3 @5534 has 41 MA's), (4, 5474), (10, 5336), (12, 5306), (14, 5261),

Gene: BlueRugrat_7 Start: 5531, Stop: 5202, Start Num: 3

Candidate Starts for BlueRugrat_7:

(Start: 3 @5531 has 41 MA's), (4, 5471), (12, 5303), (14, 5258),

Gene: Conditioner_7 Start: 5522, Stop: 5193, Start Num: 3

Candidate Starts for Conditioner_7:

(Start: 3 @5522 has 41 MA's), (4, 5462), (10, 5324), (12, 5294), (14, 5249),

Gene: Corn21_7 Start: 5550, Stop: 5221, Start Num: 3

Candidate Starts for Corn21_7:

(Start: 3 @5550 has 41 MA's), (4, 5490), (10, 5352), (12, 5322), (14, 5277),

Gene: Count_41 Start: 32857, Stop: 33210, Start Num: 1

Candidate Starts for Count_41:

(Start: 1 @32857 has 1 MA's), (2, 32875), (9, 33067), (11, 33109), (12, 33121), (16, 33196),

Gene: CrunchyBoi_8 Start: 5611, Stop: 5279, Start Num: 3

Candidate Starts for CrunchyBoi_8:

(Start: 3 @5611 has 41 MA's), (4, 5551), (8, 5458), (11, 5395), (12, 5383), (14, 5338),

Gene: Dashyla_7 Start: 5531, Stop: 5202, Start Num: 3

Candidate Starts for Dashyla_7:

(Start: 3 @5531 has 41 MA's), (4, 5471), (10, 5333), (12, 5303), (14, 5258),

Gene: DumpQuist_7 Start: 5525, Stop: 5193, Start Num: 3

Candidate Starts for DumpQuist_7:

(Start: 3 @5525 has 41 MA's), (4, 5465), (10, 5327), (12, 5297), (14, 5252),

Gene: EugeneKrabs_7 Start: 5287, Stop: 4955, Start Num: 3

Candidate Starts for EugeneKrabs_7:

(Start: 3 @5287 has 41 MA's), (4, 5227), (12, 5059), (14, 5014),

Gene: Fede_7 Start: 5514, Stop: 5119, Start Num: 3

Candidate Starts for Fede_7:

(Start: 3 @5514 has 41 MA's), (4, 5451), (6, 5388), (11, 5274), (13, 5229), (14, 5217), (15, 5214),

Gene: HitchHiker_8 Start: 5476, Stop: 5144, Start Num: 3

Candidate Starts for HitchHiker_8:

(Start: 3 @5476 has 41 MA's), (4, 5416), (8, 5323), (11, 5260), (12, 5248), (14, 5203),

Gene: JessellCookie_7 Start: 5385, Stop: 5035, Start Num: 3

Candidate Starts for JessellCookie_7:

(Start: 3 @5385 has 41 MA's), (4, 5325), (5, 5265), (6, 5262), (12, 5145), (14, 5100),

Gene: JimmyPG_7 Start: 5256, Stop: 4939, Start Num: 3

Candidate Starts for JimmyPG_7:

(Start: 3 @5256 has 41 MA's), (4, 5196), (7, 5091), (14, 4962),

Gene: JordanFarm_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for JordanFarm_7:

(Start: 3 @5255 has 41 MA's), (4, 5195), (8, 5081), (11, 5018), (12, 5006), (14, 4961),

Gene: KingKamren_7 Start: 5287, Stop: 4955, Start Num: 3

Candidate Starts for KingKamren_7:

(Start: 3 @5287 has 41 MA's), (4, 5227), (12, 5059), (14, 5014),

Gene: Kosier_7 Start: 5514, Stop: 5119, Start Num: 3

Candidate Starts for Kosier_7:

(Start: 3 @5514 has 41 MA's), (4, 5451), (6, 5388), (9, 5310), (11, 5274), (13, 5229), (14, 5217), (15, 5214),

Gene: LesNorah_7 Start: 5606, Stop: 5277, Start Num: 3

Candidate Starts for LesNorah_7:

(Start: 3 @5606 has 41 MA's), (4, 5546), (10, 5408), (12, 5378), (14, 5333),

Gene: LilyLou_7 Start: 5534, Stop: 5205, Start Num: 3

Candidate Starts for LilyLou_7:

(Start: 3 @5534 has 41 MA's), (4, 5474), (10, 5336), (12, 5306), (14, 5261),

Gene: Mazun_7 Start: 5279, Stop: 4962, Start Num: 3

Candidate Starts for Mazun_7:

(Start: 3 @5279 has 41 MA's), (4, 5219), (8, 5105), (12, 5030), (14, 4985),

Gene: MiamiPanther_7 Start: 5385, Stop: 5035, Start Num: 3

Candidate Starts for MiamiPanther_7:

(Start: 3 @5385 has 41 MA's), (4, 5325), (5, 5265), (6, 5262), (12, 5145), (14, 5100),

Gene: Oatly_7 Start: 5476, Stop: 5144, Start Num: 3

Candidate Starts for Oatly_7:

(Start: 3 @5476 has 41 MA's), (4, 5416), (8, 5323), (11, 5260), (12, 5248), (14, 5203),

Gene: Pabst_7 Start: 5337, Stop: 5005, Start Num: 3

Candidate Starts for Pabst_7:

(Start: 3 @5337 has 41 MA's), (4, 5277), (8, 5184), (11, 5121), (12, 5109), (14, 5064),

Gene: Pharky_7 Start: 5240, Stop: 4923, Start Num: 3

Candidate Starts for Pharky_7:

(Start: 3 @5240 has 41 MA's), (4, 5180), (8, 5066), (12, 4991), (14, 4946),

Gene: Phedro_7 Start: 5240, Stop: 4923, Start Num: 3

Candidate Starts for Phedro_7:

(Start: 3 @5240 has 41 MA's), (4, 5180), (8, 5066), (12, 4991), (14, 4946),

Gene: Phogo_7 Start: 5534, Stop: 5205, Start Num: 3

Candidate Starts for Phogo_7:

(Start: 3 @5534 has 41 MA's), (4, 5474), (10, 5336), (12, 5306), (14, 5261),

Gene: Phractured_7 Start: 5240, Stop: 4923, Start Num: 3

Candidate Starts for Phractured_7:

(Start: 3 @5240 has 41 MA's), (4, 5180), (8, 5066), (12, 4991), (14, 4946),

Gene: PineapplePluto_8 Start: 5620, Stop: 5288, Start Num: 3

Candidate Starts for PineapplePluto_8:

(Start: 3 @5620 has 41 MA's), (4, 5560), (8, 5467), (11, 5404), (12, 5392), (14, 5347),

Gene: Salvatore2000_7 Start: 5385, Stop: 5035, Start Num: 3

Candidate Starts for Salvatore2000_7:

(Start: 3 @5385 has 41 MA's), (4, 5325), (5, 5265), (6, 5262), (12, 5145), (14, 5100),

Gene: ShyRosie_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for ShyRosie_7:

(Start: 3 @5255 has 41 MA's), (4, 5195), (8, 5081), (11, 5018), (12, 5006), (14, 4961),

Gene: SoilSleuth_7 Start: 5255, Stop: 4923, Start Num: 3

Candidate Starts for SoilSleuth_7:

(Start: 3 @5255 has 41 MA's), (4, 5195), (8, 5081), (11, 5018), (12, 5006), (14, 4961),

Gene: Sorvannah_7 Start: 5385, Stop: 5035, Start Num: 3

Candidate Starts for Sorvannah_7:

(Start: 3 @5385 has 41 MA's), (4, 5325), (5, 5265), (6, 5262), (12, 5145), (14, 5100),

Gene: Stormbreaker_7 Start: 5516, Stop: 5187, Start Num: 3

Candidate Starts for Stormbreaker_7:

(Start: 3 @5516 has 41 MA's), (4, 5456), (10, 5318), (12, 5288), (14, 5243),

Gene: SwissCheezer_7 Start: 5525, Stop: 5193, Start Num: 3

Candidate Starts for SwissCheezer_7:

(Start: 3 @5525 has 41 MA's), (4, 5465), (10, 5327), (12, 5297), (14, 5252),

Gene: TicTac_7 Start: 5485, Stop: 5156, Start Num: 3

Candidate Starts for TicTac_7:

(Start: 3 @5485 has 41 MA's), (4, 5425), (8, 5332), (11, 5269), (12, 5257), (14, 5212),

Gene: TinyTimothy_7 Start: 5385, Stop: 5035, Start Num: 3
Candidate Starts for TinyTimothy_7:
(Start: 3 @5385 has 41 MA's), (4, 5325), (5, 5265), (6, 5262), (12, 5145), (14, 5100),

Gene: TownLake_7 Start: 5609, Stop: 5280, Start Num: 3
Candidate Starts for TownLake_7:
(Start: 3 @5609 has 41 MA's), (4, 5549), (10, 5411), (12, 5381), (14, 5336),

Gene: Truong_7 Start: 5255, Stop: 4923, Start Num: 3
Candidate Starts for Truong_7:
(Start: 3 @5255 has 41 MA's), (4, 5195), (8, 5081), (11, 5018), (12, 5006), (14, 4961),

Gene: Unphazed_7 Start: 5534, Stop: 5205, Start Num: 3
Candidate Starts for Unphazed_7:
(Start: 3 @5534 has 41 MA's), (4, 5474), (10, 5336), (12, 5306), (14, 5261),

Gene: Wesak_7 Start: 5385, Stop: 5035, Start Num: 3
Candidate Starts for Wesak_7:
(Start: 3 @5385 has 41 MA's), (4, 5325), (5, 5265), (6, 5262), (12, 5145), (14, 5100),

Gene: Xitlalli_7 Start: 5522, Stop: 5193, Start Num: 3
Candidate Starts for Xitlalli_7:
(Start: 3 @5522 has 41 MA's), (4, 5462), (10, 5324), (12, 5294), (14, 5249),

Gene: YellowPanda_7 Start: 5385, Stop: 5035, Start Num: 3
Candidate Starts for YellowPanda_7:
(Start: 3 @5385 has 41 MA's), (4, 5325), (5, 5265), (6, 5262), (12, 5145), (14, 5100),

Gene: Zhengyi_7 Start: 5287, Stop: 4955, Start Num: 3
Candidate Starts for Zhengyi_7:
(Start: 3 @5287 has 41 MA's), (4, 5227), (12, 5059), (14, 5014),