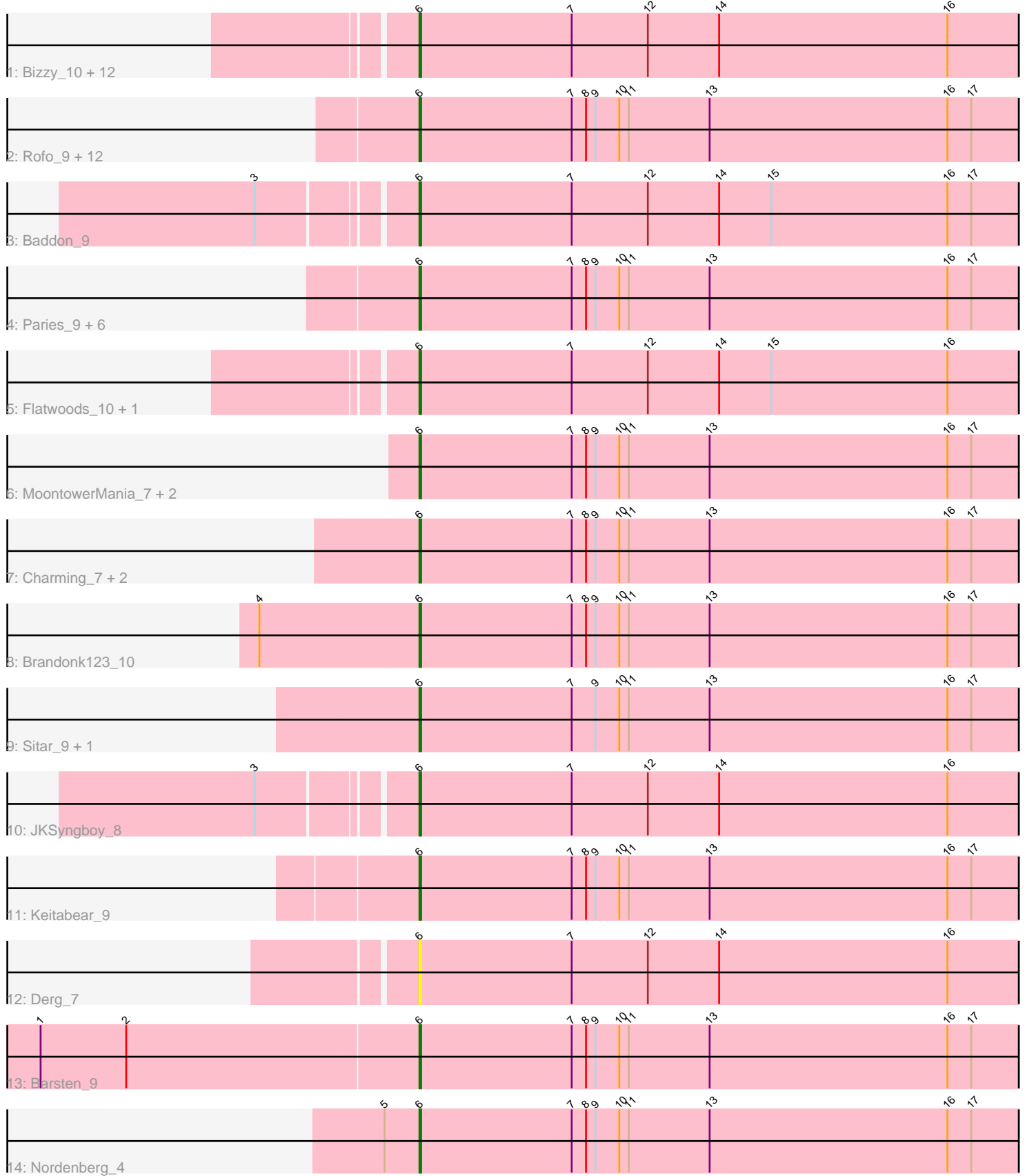


Pham 85834



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 85834 Report

This analysis was run 04/28/24 on database version 559.

Pham number 85834 has 50 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Bizzy_10, YorkOnyx_9, Tycho_9, Kwobi_9, Kroos_9, Ribeye_10, Ashertheman_9, StorminNorm_9, LilHam_7, Saronaya_9, Baumdotcom_9, Tangerine_9, Gustavo_9
- Track 2 : Rofo_9, Shivanishola_8, Bibwit_9, Angelicage_9, Jabberwocky_8, Ailee_9, Vivi2_7, Sanjuju_8, Stultus_8, Thing3_9, Sedona_10, Kamashten_9, Love_10
- Track 3 : Baddon_9
- Track 4 : Paries_9, Affeca_9, McKinley_9, BobBob_7, Fitzgerald_8, Fosterous_7, Galadriel_10
- Track 5 : Flatwoods_10, Gaea_9
- Track 6 : MoontowerMania_7, Geodirt_8, ChadMasterC_8
- Track 7 : Charming_7, Tangent_7, Kewpiedoll_9
- Track 8 : Brandonk123_10
- Track 9 : Sitar_9, Lennon_9
- Track 10 : JKSyngboy_8
- Track 11 : Keitabear_9
- Track 12 : Derg_7
- Track 13 : Barsten_9
- Track 14 : Nordenberg_4

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

The start number called the most often in the published annotations is 6, it was called in 41 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Affeca_9, Ailee_9, Angelicage_9, Ashertheman_9, Baddon_9, Barsten_9, Baumdotcom_9, Bibwit_9, Bizzy_10, BobBob_7, Brandonk123_10, ChadMasterC_8, Charming_7, Derg_7, Fitzgerald_8, Flatwoods_10, Fosterous_7, Gaea_9, Galadriel_10, Geodirt_8, Gustavo_9, JKSyngboy_8, Jabberwocky_8, Kamashten_9, Keitabear_9, Kewpiedoll_9, Kroos_9, Kwobi_9, Lennon_9, LilHam_7, Love_10, McKinley_9, MoontowerMania_7, Nordenberg_4, Paries_9, Ribeye_10, Rofo_9, Sanjuju_8, Saronaya_9, Sedona_10, Shivanishola_8, Sitar_9, StorminNorm_9, Stultus_8, Tangent_7, Tangerine_9, Thing3_9, Tycho_9, Vivi2_7, YorkOnyx_9,

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 6:

- Found in 50 of 50 (100.0%) of genes in pham
- Manual Annotations of this start: 41 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Affeca_9 (DE1), Ailee_9 (DE1), Angelicage_9 (DE1), Ashertheman_9 (DE1), Baddon_9 (DE1), Barsten_9 (DE1), Baumdotcom_9 (DE1), Bibwit_9 (DE1), Bizzy_10 (DE1), BobBob_7 (DE1), Brandonk123_10 (DE1), ChadMasterC_8 (DE1), Charming_7 (DE1), Derg_7 (DE1), Fitzgerald_8 (DE1), Flatwoods_10 (DE1), Fosterous_7 (DE1), Gaea_9 (DE1), Galadriel_10 (DE1), Geodirt_8 (DE1), Gustavo_9 (DE1), JKSyngboy_8 (DE1), Jabberwocky_8 (DE1), Kamashten_9 (DE1), Keitabear_9 (DE1), Kewpiedoll_9 (DE1), Kroos_9 (DE1), Kwobi_9 (DE1), Lennon_9 (DE1), LilHam_7 (DE1), Love_10 (DE1), McKinley_9 (DE1), MoontowerMania_7 (DE1), Nordenberg_4 (DE1), Paries_9 (DE1), Ribeye_10 (DE1), Rofo_9 (DE1), Sanjuju_8 (DE1), Saronaya_9 (DE1), Sedona_10 (DE1), Shivanishola_8 (DE1), Sitar_9 (DE1), StorminNorm_9 (DE1), Stultus_8 (DE1), Tangent_7 (DE1), Tangerine_9 (DE1), Thing3_9 (DE1), Tycho_9 (DE1), Vivi2_7 (DE1), YorkOnyx_9 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:

- Start number 6 was manually annotated 41 times for cluster DE1.

Gene Information:

Gene: Affeca_9 Start: 5225, Stop: 5620, Start Num: 6

Candidate Starts for Affeca_9:

(Start: 6 @5225 has 41 MA's), (7, 5321), (8, 5330), (9, 5336), (10, 5351), (11, 5357), (13, 5408), (16, 5558), (17, 5573),

Gene: Ailee_9 Start: 6078, Stop: 6473, Start Num: 6

Candidate Starts for Ailee_9:

(Start: 6 @6078 has 41 MA's), (7, 6174), (8, 6183), (9, 6189), (10, 6204), (11, 6210), (13, 6261), (16, 6411), (17, 6426),

Gene: Angelicage_9 Start: 5645, Stop: 6040, Start Num: 6

Candidate Starts for Angelicage_9:

(Start: 6 @5645 has 41 MA's), (7, 5741), (8, 5750), (9, 5756), (10, 5771), (11, 5777), (13, 5828), (16, 5978), (17, 5993),

Gene: Ashertheman_9 Start: 4845, Stop: 5240, Start Num: 6

Candidate Starts for Ashertheman_9:
(Start: 6 @4845 has 41 MA's), (7, 4941), (12, 4989), (14, 5034), (16, 5178),

Gene: Baddon_9 Start: 5553, Stop: 5948, Start Num: 6
Candidate Starts for Baddon_9:
(3, 5463), (Start: 6 @5553 has 41 MA's), (7, 5649), (12, 5697), (14, 5742), (15, 5775), (16, 5886), (17, 5901),

Gene: Barsten_9 Start: 4876, Stop: 5271, Start Num: 6
Candidate Starts for Barsten_9:
(1, 4642), (2, 4696), (Start: 6 @4876 has 41 MA's), (7, 4972), (8, 4981), (9, 4987), (10, 5002), (11, 5008), (13, 5059), (16, 5209), (17, 5224),

Gene: Baumdotcom_9 Start: 4868, Stop: 5263, Start Num: 6
Candidate Starts for Baumdotcom_9:
(Start: 6 @4868 has 41 MA's), (7, 4964), (12, 5012), (14, 5057), (16, 5201),

Gene: Bibwit_9 Start: 5911, Stop: 6306, Start Num: 6
Candidate Starts for Bibwit_9:
(Start: 6 @5911 has 41 MA's), (7, 6007), (8, 6016), (9, 6022), (10, 6037), (11, 6043), (13, 6094), (16, 6244), (17, 6259),

Gene: Bizzy_10 Start: 5042, Stop: 5437, Start Num: 6
Candidate Starts for Bizzy_10:
(Start: 6 @5042 has 41 MA's), (7, 5138), (12, 5186), (14, 5231), (16, 5375),

Gene: BobBob_7 Start: 4569, Stop: 4964, Start Num: 6
Candidate Starts for BobBob_7:
(Start: 6 @4569 has 41 MA's), (7, 4665), (8, 4674), (9, 4680), (10, 4695), (11, 4701), (13, 4752), (16, 4902), (17, 4917),

Gene: Brandonk123_10 Start: 4923, Stop: 5318, Start Num: 6
Candidate Starts for Brandonk123_10:
(4, 4824), (Start: 6 @4923 has 41 MA's), (7, 5019), (8, 5028), (9, 5034), (10, 5049), (11, 5055), (13, 5106), (16, 5256), (17, 5271),

Gene: ChadMasterC_8 Start: 5148, Stop: 5543, Start Num: 6
Candidate Starts for ChadMasterC_8:
(Start: 6 @5148 has 41 MA's), (7, 5244), (8, 5253), (9, 5259), (10, 5274), (11, 5280), (13, 5331), (16, 5481), (17, 5496),

Gene: Charming_7 Start: 4571, Stop: 4966, Start Num: 6
Candidate Starts for Charming_7:
(Start: 6 @4571 has 41 MA's), (7, 4667), (8, 4676), (9, 4682), (10, 4697), (11, 4703), (13, 4754), (16, 4904), (17, 4919),

Gene: Derg_7 Start: 4170, Stop: 4565, Start Num: 6
Candidate Starts for Derg_7:
(Start: 6 @4170 has 41 MA's), (7, 4266), (12, 4314), (14, 4359), (16, 4503),

Gene: Fitzgerald_8 Start: 5495, Stop: 5890, Start Num: 6
Candidate Starts for Fitzgerald_8:

(Start: 6 @5495 has 41 MA's), (7, 5591), (8, 5600), (9, 5606), (10, 5621), (11, 5627), (13, 5678), (16, 5828), (17, 5843),

Gene: Flatwoods_10 Start: 5042, Stop: 5437, Start Num: 6

Candidate Starts for Flatwoods_10:

(Start: 6 @5042 has 41 MA's), (7, 5138), (12, 5186), (14, 5231), (15, 5264), (16, 5375),

Gene: Fosterous_7 Start: 4569, Stop: 4964, Start Num: 6

Candidate Starts for Fosterous_7:

(Start: 6 @4569 has 41 MA's), (7, 4665), (8, 4674), (9, 4680), (10, 4695), (11, 4701), (13, 4752), (16, 4902), (17, 4917),

Gene: Gaea_9 Start: 4848, Stop: 5243, Start Num: 6

Candidate Starts for Gaea_9:

(Start: 6 @4848 has 41 MA's), (7, 4944), (12, 4992), (14, 5037), (15, 5070), (16, 5181),

Gene: Galadriel_10 Start: 4598, Stop: 4993, Start Num: 6

Candidate Starts for Galadriel_10:

(Start: 6 @4598 has 41 MA's), (7, 4694), (8, 4703), (9, 4709), (10, 4724), (11, 4730), (13, 4781), (16, 4931), (17, 4946),

Gene: Geodirt_8 Start: 5188, Stop: 5583, Start Num: 6

Candidate Starts for Geodirt_8:

(Start: 6 @5188 has 41 MA's), (7, 5284), (8, 5293), (9, 5299), (10, 5314), (11, 5320), (13, 5371), (16, 5521), (17, 5536),

Gene: Gustavo_9 Start: 4845, Stop: 5240, Start Num: 6

Candidate Starts for Gustavo_9:

(Start: 6 @4845 has 41 MA's), (7, 4941), (12, 4989), (14, 5034), (16, 5178),

Gene: JKSyngboy_8 Start: 5356, Stop: 5751, Start Num: 6

Candidate Starts for JKSyngboy_8:

(3, 5266), (Start: 6 @5356 has 41 MA's), (7, 5452), (12, 5500), (14, 5545), (16, 5689),

Gene: Jabberwocky_8 Start: 5497, Stop: 5892, Start Num: 6

Candidate Starts for Jabberwocky_8:

(Start: 6 @5497 has 41 MA's), (7, 5593), (8, 5602), (9, 5608), (10, 5623), (11, 5629), (13, 5680), (16, 5830), (17, 5845),

Gene: Kamashten_9 Start: 4919, Stop: 5314, Start Num: 6

Candidate Starts for Kamashten_9:

(Start: 6 @4919 has 41 MA's), (7, 5015), (8, 5024), (9, 5030), (10, 5045), (11, 5051), (13, 5102), (16, 5252), (17, 5267),

Gene: Keitabear_9 Start: 6554, Stop: 6949, Start Num: 6

Candidate Starts for Keitabear_9:

(Start: 6 @6554 has 41 MA's), (7, 6650), (8, 6659), (9, 6665), (10, 6680), (11, 6686), (13, 6737), (16, 6887), (17, 6902),

Gene: Kewpiedoll_9 Start: 4770, Stop: 5165, Start Num: 6

Candidate Starts for Kewpiedoll_9:

(Start: 6 @4770 has 41 MA's), (7, 4866), (8, 4875), (9, 4881), (10, 4896), (11, 4902), (13, 4953), (16, 5103), (17, 5118),

Gene: Kroos_9 Start: 5009, Stop: 5404, Start Num: 6

Candidate Starts for Kroos_9:

(Start: 6 @5009 has 41 MA's), (7, 5105), (12, 5153), (14, 5198), (16, 5342),

Gene: Kwobi_9 Start: 4848, Stop: 5243, Start Num: 6

Candidate Starts for Kwobi_9:

(Start: 6 @4848 has 41 MA's), (7, 4944), (12, 4992), (14, 5037), (16, 5181),

Gene: Lennon_9 Start: 5763, Stop: 6158, Start Num: 6

Candidate Starts for Lennon_9:

(Start: 6 @5763 has 41 MA's), (7, 5859), (9, 5874), (10, 5889), (11, 5895), (13, 5946), (16, 6096), (17, 6111),

Gene: LilHam_7 Start: 4164, Stop: 4559, Start Num: 6

Candidate Starts for LilHam_7:

(Start: 6 @4164 has 41 MA's), (7, 4260), (12, 4308), (14, 4353), (16, 4497),

Gene: Love_10 Start: 4918, Stop: 5313, Start Num: 6

Candidate Starts for Love_10:

(Start: 6 @4918 has 41 MA's), (7, 5014), (8, 5023), (9, 5029), (10, 5044), (11, 5050), (13, 5101), (16, 5251), (17, 5266),

Gene: McKinley_9 Start: 5750, Stop: 6145, Start Num: 6

Candidate Starts for McKinley_9:

(Start: 6 @5750 has 41 MA's), (7, 5846), (8, 5855), (9, 5861), (10, 5876), (11, 5882), (13, 5933), (16, 6083), (17, 6098),

Gene: MoontowerMania_7 Start: 4317, Stop: 4712, Start Num: 6

Candidate Starts for MoontowerMania_7:

(Start: 6 @4317 has 41 MA's), (7, 4413), (8, 4422), (9, 4428), (10, 4443), (11, 4449), (13, 4500), (16, 4650), (17, 4665),

Gene: Nordenberg_4 Start: 3191, Stop: 3586, Start Num: 6

Candidate Starts for Nordenberg_4:

(5, 3170), (Start: 6 @3191 has 41 MA's), (7, 3287), (8, 3296), (9, 3302), (10, 3317), (11, 3323), (13, 3374), (16, 3524), (17, 3539),

Gene: Paries_9 Start: 4599, Stop: 4994, Start Num: 6

Candidate Starts for Paries_9:

(Start: 6 @4599 has 41 MA's), (7, 4695), (8, 4704), (9, 4710), (10, 4725), (11, 4731), (13, 4782), (16, 4932), (17, 4947),

Gene: Ribeye_10 Start: 5043, Stop: 5438, Start Num: 6

Candidate Starts for Ribeye_10:

(Start: 6 @5043 has 41 MA's), (7, 5139), (12, 5187), (14, 5232), (16, 5376),

Gene: Rofo_9 Start: 5587, Stop: 5982, Start Num: 6

Candidate Starts for Rofo_9:

(Start: 6 @5587 has 41 MA's), (7, 5683), (8, 5692), (9, 5698), (10, 5713), (11, 5719), (13, 5770), (16, 5920), (17, 5935),

Gene: Sanjuju_8 Start: 5535, Stop: 5930, Start Num: 6

Candidate Starts for Sanjuju_8:

(Start: 6 @5535 has 41 MA's), (7, 5631), (8, 5640), (9, 5646), (10, 5661), (11, 5667), (13, 5718), (16, 5868), (17, 5883),

Gene: Saronaya_9 Start: 4845, Stop: 5240, Start Num: 6

Candidate Starts for Saronaya_9:

(Start: 6 @4845 has 41 MA's), (7, 4941), (12, 4989), (14, 5034), (16, 5178),

Gene: Sedona_10 Start: 6553, Stop: 6948, Start Num: 6

Candidate Starts for Sedona_10:

(Start: 6 @6553 has 41 MA's), (7, 6649), (8, 6658), (9, 6664), (10, 6679), (11, 6685), (13, 6736), (16, 6886), (17, 6901),

Gene: Shivanishola_8 Start: 5597, Stop: 5992, Start Num: 6

Candidate Starts for Shivanishola_8:

(Start: 6 @5597 has 41 MA's), (7, 5693), (8, 5702), (9, 5708), (10, 5723), (11, 5729), (13, 5780), (16, 5930), (17, 5945),

Gene: Sitar_9 Start: 5763, Stop: 6158, Start Num: 6

Candidate Starts for Sitar_9:

(Start: 6 @5763 has 41 MA's), (7, 5859), (9, 5874), (10, 5889), (11, 5895), (13, 5946), (16, 6096), (17, 6111),

Gene: StorminNorm_9 Start: 4848, Stop: 5243, Start Num: 6

Candidate Starts for StorminNorm_9:

(Start: 6 @4848 has 41 MA's), (7, 4944), (12, 4992), (14, 5037), (16, 5181),

Gene: Stultus_8 Start: 5587, Stop: 5982, Start Num: 6

Candidate Starts for Stultus_8:

(Start: 6 @5587 has 41 MA's), (7, 5683), (8, 5692), (9, 5698), (10, 5713), (11, 5719), (13, 5770), (16, 5920), (17, 5935),

Gene: Tangent_7 Start: 4571, Stop: 4966, Start Num: 6

Candidate Starts for Tangent_7:

(Start: 6 @4571 has 41 MA's), (7, 4667), (8, 4676), (9, 4682), (10, 4697), (11, 4703), (13, 4754), (16, 4904), (17, 4919),

Gene: Tangerine_9 Start: 4857, Stop: 5252, Start Num: 6

Candidate Starts for Tangerine_9:

(Start: 6 @4857 has 41 MA's), (7, 4953), (12, 5001), (14, 5046), (16, 5190),

Gene: Thing3_9 Start: 4919, Stop: 5314, Start Num: 6

Candidate Starts for Thing3_9:

(Start: 6 @4919 has 41 MA's), (7, 5015), (8, 5024), (9, 5030), (10, 5045), (11, 5051), (13, 5102), (16, 5252), (17, 5267),

Gene: Tycho_9 Start: 4857, Stop: 5252, Start Num: 6

Candidate Starts for Tycho_9:

(Start: 6 @4857 has 41 MA's), (7, 4953), (12, 5001), (14, 5046), (16, 5190),

Gene: Vivi2_7 Start: 4576, Stop: 4971, Start Num: 6

Candidate Starts for Vivi2_7:

(Start: 6 @4576 has 41 MA's), (7, 4672), (8, 4681), (9, 4687), (10, 4702), (11, 4708), (13, 4759), (16, 4909), (17, 4924),

Gene: YorkOnyx_9 Start: 4806, Stop: 5201, Start Num: 6

Candidate Starts for YorkOnyx_9:

(Start: 6 @4806 has 41 MA's), (7, 4902), (12, 4950), (14, 4995), (16, 5139),